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TDD#: 02-97-02-0015CPCS#: 2076TASK SITE: Correll - DisilverDCNE: SPART -02-F- 01326

1. ☒ Principal Author(s)

M. McWhir
Name(s)

9/10/97
Date

2. ☐ Technical Editor

Name

Date

3. ☒ Group Leader/Peer Review

Thomas Skell
Name

9/10/97
Date

4. ☐ Approval (Group Leader/ATEAM Mgr.)

Name

Date



Roy F. Weston, Inc.
Federal Programs Division
Suite 201
1090 King Georges Post Road
Edison, New Jersey 08837-3703
908-225-6116 • Fax 908-225-7037

SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM
EPA CONTRACT 68-W5-0019

September 10, 1997

Mr. Eric Wilson
U.S. Environmental Protection Agency
Removal Action Branch
2890 Woodbridge Avenue
Edison, New Jersey 08837

TDD NO.: 02-97-02-0015-C

DCN: START-02-F-01326

SUBJECT: NEW MARKET POND DREDGING
FILE REVIEW AT PISCATAWAY TOWNSHIP ENGINEER'S OFFICE
SEPTEMBER 9, 1997

Dear Mr. Wilson:

On September 9, 1997 START personnel met with Mr. James Ondre, Piscataway Township Engineer to access and review available files pertaining to the New Market Pond dredging project. Be advised that the file search was limited to the following subjects:

- * Laboratory analyses of the dredged material;
- * Staging/disposal of the dredged material;
- * Firms and contact names associated with the dredging project;
- * Location of impoundment basin where dredged material was staged.

Enclosed please find copies of documents which you may find useful:

1. February 22, 1982 analytical results from Middlesex County Extension Service to T & M Associates.
2. April 26, 1982 analytical results (Accutest) from T & M Associates to Piscataway Township.

3. August 26, 1982 letter from T & M Associates to South Plainfield. The letter discusses the desiltation of New Market Pond and Bound Brook and states that the material was tested for toxic pollutants and all test results were negative. The letter also inquires as to whether or not the Borough of South Plainfield would be interested in obtaining the fill material for use in its community.
4. September 28, 1982 letter from South Plainfield to T & M Associates. The letter states that the Borough of South Plainfield is interested in accepting the fill material.
5. October 9, 1984 preconstruction meeting attendance sheet. The sheet lists the names of the firms and contacts involved in the dredging project.
6. October 22, 1984 Stream Encroachment Permit issued to Piscataway from the New Jersey Department of Environmental Protection, Division of Water Resources.
7. January 23, 1985 letter from T & M Associates to the U.S. Army Corps of Engineers (USACE) confirming that a permit from the USACE was not required for the subject project. See attached February 10, 1982 letter as supporting documentation.
8. May 16, 1985 job meeting minutes stating that American Dredging dredged a total of 61,483 cubic yards of material.
9. August 12, 1987 letter from Piscataway to Cedar Hill Topsoil Hydroseeding. The letter transmits certain information to Cedar Hill and also discusses the issue of testing the dredged spoil material for toxic pollutants and pesticides.
10. December 22, 1988 letter from Piscataway to Cedar Hill Landscaping transmitting the April, 1982 Accutest analytical data package.
11. January 9, 1989 Piscataway Township internal memorandum which revised the January 4, 1989 Contract for Topsoil Removal between Township of Piscataway and Cedar Hill Topsoil.
12. February 27, 1989 letter from Piscataway to Edison advising Edison that the dredged material staged on the Harris Steel property by Edison had been approved for removal.
13. February 15, 1989 Piscataway Township internal memorandum which states that Edison Township will initiate the removal of dredged material from Harris Steel on February 16, 1989.

Based on the contents of items 12 and 13 above, it appears that Edison Township may have accepted some or all of the dredged material.

The following drawings were also copied and are provided for your use:

1. April 26, 1983 Harris Structural Steel Company property plan prepared by the Township of Piscataway Engineering Division. The plan shows the parcel of land that was reportedly used for the staging of the dredged material.
2. May 22, 1984 New Market Pond Plan View (Stations 37+00 to 38+50) prepared by T & M Associates. The plan shows the location of the proposed impoundment basin.
3. October 15, 1986 New Market Pond Plan View "As built" (Stations 37+00 to 38+50, and 10.000 to 13.675) prepared by the Township of Piscataway. The plan shows the location of the impoundment basin.
4. April 5, 1988 Grading Plan at Impoundment Area, New Market Pond - Columbus Park prepared by the Township of Piscataway Engineering Division.

Roy F. Weston, Inc. hopes you find the above referenced information helpful and if you have any questions or comments, please contact me at (732) 225-6116.

Sincerely,

ROY F. WESTON, INC.



Michael Mahnkopf
Project Manager

Enc.



File
NEW MARKET POND

PRINCIPALS OF THE FIRM ARE MEMBERS OF:
National Society of Professional Engineers
American Society of Civil Engineers
New Jersey Society of Municipal Engineers
Institute of Transportation Engineers
American Public Works Association
American Planning Association
American Congress on Surveying and Mapping
American Society for Testing and Materials
New Jersey Association of County Engineers
Urban Land Institute
National Recreation & Parks Association

March 23, 1982

Refer To Our File.
MISC-XPCT.02611

Mr. Joseph Steckel
18 Mitchell Avenue
Piscataway, New Jersey 08854

Re: March 9, 1982 Caucus Meeting

Dear Mr. Steckel:

In response to our conversation on the evening of March 9, 1982 enclosed is copy of Soils Report by Robert J. Carlin and Assoc. concerning analysis of samples taken of siltation in New Market Pond. In addition, enclosed are copies of report and findings from Cook Extension Service for the above. The Extension report also deals with analysis of sample of siltation from New Market Pond. Please return the Carlin report upon completion of your review.

I am currently gathering additional information concerning project background, engineer's estimate, and time schedule to send you prior to meeting with the Environmental Commission and Planning Board on April 7, 1982.

If you should have any questions, please do not hesitate to call.

Very truly yours,

T & M ASSOCIATES

RICHARD A. KOSENSKI, P.E.
PROJECT MANAGER

RAK:pfg

Enclosures as Noted

cc: Henry A. Zanetti, Twp. Engineer (w/encl.)

RS
SITY

OPERATIVE
SION SERVICE
COLLEGE

MIDDLESEX COUNTY EXTENSION SERVICE

Mailing Address:
County Administration Building
New Brunswick, New Jersey 08901

Office Location:
7 Elm Row
New Brunswick, New Jersey

Agriculture (201) 745-3442
4-H Youth Develop. (201) 745-3446
Home Economics (201) 745-3446

February 22, 1982

MISC-XPCT. 02611

Richard A. Musser
& Associates
P.O. Box 828
Ed Bank, New Jersey 07701

Dear Mr. Musser:

Enclosed please find the results of the various tests
run on 2 samples from the bottom of New Market Pond in
iscataway, N. J.

Sample B-6 Surface - This sample is not usable as topsoil
as it is now. The organic matter is too high. Also the
Mechanical Analysis shows that the sand content is too low
and silt and clay too high.

Sample B-10 Subsurface - This sample probably contains some
of the original soil from the area before the stream was
dammed and would be usable as topsoil as it is now.

Practically speaking when the pond is deepened, both surface
and subsurface soil will be removed. If there was a way to
thoroughly mix surface and subsurface in the proportion of
1 part surface soil plus 3 parts subsurface soil, you would
have quite a good soil with about 47% sand, 32% silt and
21% clay.


Perhaps the 2 materials could be layered in a stockpile
and mixed well with some sort of equipment.

Hope this information will be of help to you.

Very truly yours,


NER H. THURLOW

Agricultural Agents
Middlesex County


ELAINE K. FOGERTY

NAME Mr. Richard A. Musser, P.E. DATE 1-28-82
T & M ASSOCIATESADDRESS PO Bx 828, Red Bank, NJ 07701Sample number B 6/Surface Serial number MX 9225Plant to be grown Elaine Fogerty Soil texture organicReferred to Elaine Fogerty County Middlesex

SOIL TEST REPORT

L

Soil Testing Laboratory, Lipman Hall
New Jersey Agricultural Experiment Station

SOIL TEST RESULTS	pH	Magnesium	Phosphorus	Potassium	Organic*	MECHANICAL ANALYSIS**		
	6.0	152	74	33	Matter	SAND	SILT	CLAY
	(found)				24.50%	24%	42%	34%
	(desired)				V High	Low	High	High
						Conductivity (
						60 OK		

LIME RECOMMENDED

Kind

Amount per _____ sq. ft.

How to apply

FERTILIZER RECOMMENDED

Kind

Amount per _____ sq. ft.

How to apply

COMMENTS

* organic matter by loss on ignition

** It should be noted that a mechanical analysis performed in the presence of organic matter of 24.50% may be biased.

See enclosed letter

The Cooperative Extension Service provides information and educational services to all people without regard to race, color, national origin, or handicap.

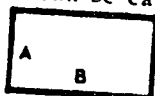
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COOPERATIVE EXTENSION SERVICE / COOK COLLEGE / RUTGERS - THE STATE UNIVERSITY OF NEW JERSEY / NEW BRUNSWICK

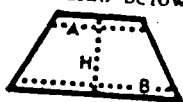
PK582-10M-81

INFORMATION FOR LAWNS AND HOME GARDENS

Lime and fertilizer recommendations for lawns and home gardens are generally made in terms of pounds of material per 1000 square feet of area. Approximate number of square feet in areas of different size and shape plots can be calculated using the formulas below. Measure length or width of A, B, D and H in feet.



$$\text{Area} = A \times B$$



$$\text{Area} = \frac{1}{2} H (A + B)$$



$$\text{Area} = \frac{1}{2} (A \times B)$$



$$\text{Area} = 0.8 (D \times D)$$

Every bag or container of fertilizer must be labeled to show the guaranteed minimum percentage of Nitrogen (N), Phosphate (P_2O_5) and Potash (K_2O) in that order.

EQUIVALENT AMOUNT OF PLANT NUTRIENTS (N, P_2O_5 , K_2O) FROM FERTILIZERS OF THE SAME RATIO.
For example: 17 lbs. 6-12-6 contains the same amount of N, P_2O_5 and K_2O as 20 lbs. of 5-10-5.

1-2-1 ratio		1-2-2 ratio		2-1-1 ratio		1-1-1 ratio		1-1-2 ratio	
lbs.	grade	lbs.	grade	lbs.	grade	lbs.	grade	lbs.	grade
20	5-10-5	20	5-10-10	10	10-5-5*	10	10-10-10	14	7-7-14
17	6-12-6	17	6-12-12	8	12-6-6	8	12-12-12	13	8-8-16
13	8-16-8	13	8-16-16	6	16-8-8	6	16-16-16	11	9-9-18
10	10-20-10	10	10-20-20	5	20-10-10	5	20-20-20	10	10-10-20

*For all practical purposes a 10-6-4 fertilizer is the same as a 10-5-5 and one may be substituted for the other.

Weights of lime and fertilizer materials can be converted to ordinary household measures using the following table. The values are not precise but are near enough for all practical purposes. One gallon is equivalent to 4 quarts, or 8 pints. One pint is equivalent to 2 cups, or 32 tablespoons, or 96 teaspoons.

Kind of Material	Approximate Weight Per Volume Measure				
	10 qt. bucket	gallon	quart	pint	cup
Ground limestone	lbs. 30	lbs. 12	lbs. 3	lbs. 1½	lbs. ¾
Hydrated lime	10	4	1	½	¼
Inorganic mixed fertilizers (1)	20	8	2	1	½
Organic mixed fertilizers (2)	15	6	1½	¾	3/8

(1) Made completely from inorganic materials. (2) Containing some natural or synthetic organic materials.

Distributed in cooperation with U.S. Department of Agriculture in furtherance of the Acts of Congress of May 8 and June 30, 1914. Cooperative Extension Service work in agriculture, home economics, and 4-H, John L. Gerwig, dean of Extension.

Mr. Richard A. Nusser, P.E.
 NAME T & M ASSOCIATES DATE _____
 ADDRESS _____ (continued)
 Sample number B 10/sub surface Serial number MX 9226
 Plant to be grown _____ Soil texture sandy loam
 Referred to _____ County _____

SOIL TEST REPORT

L

Soil Testing Laboratory, Lipman Hall
 New Jersey Agricultural Experiment Station

SOIL TEST RESULTS	pH	Magnesium	Phosphorus	Potassium	Organic Matter	MECHANICAL ANALYSIS			
	6.4	270	70	124	2.16%	SAND	SILT	CLAY	
	(found)	(pounds available an acre)				54%	28%	18%	
	6.5	V High	V High	High	Good	Good	Good	Good	
	(desired)	(relative level for this plant)					Conductivity (1:2)		
LIME RECOMMENDED		Amount per				.19 OK			

LIME RECOMMENDED
Kind

Amount per _____ sq. ft.

How to apply

None OK as is

FERTILIZER RECOMMENDED
Kind

Amount per _____ sq. ft.

How to apply

COMMENTS

See enclosed letter

The Cooperative Extension Service provides information and educational services to all people without regard to race, color, national origin, or handicap.

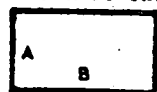
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PK552-10M-51

INFORMATION FOR LAWNS AND HOME GARDENS

Lime and fertilizer recommendations for lawns and home gardens are generally made in terms of pounds of material per 1000 square feet of area. Approximate number of square feet in areas of different size and shape plots can be calculated using the formulas below. Measure length or width of A, B, D and H in feet.



$$\text{Area} = A \times B$$



$$\text{Area} = \frac{1}{2} H (A + B)$$



$$\text{Area} = \frac{1}{2} (A \times B)$$



$$\text{Area} = 0.8 (D \times D)$$

Every bag or container of fertilizer must be labeled to show the guaranteed minimum percentage of Nitrogen (N), Phosphate (P_2O_5) and Potash (K_2O) in that order.

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For example: 17 lbs. 6-12-6 contains the same amount of N, P_2O_5 and K_2O as 20 lbs. of 5-10-5.

1-2-1 ratio		1-2-2 ratio		2-1-1 ratio		1-1-1 ratio		1-1-2 ratio	
lbs.	grade	lbs.	grade	lbs.	grade	lbs.	grade	lbs.	grade
20	5-10-5	20	5-10-10	10	10-5-5*	10	10-10-10	14	7-7-14
17	6-12-6	17	6-12-12	8	12-6-6	8	12-12-12	13	8-8-16
13	8-16-8	13	8-16-16	6	16-8-8	6	16-16-16	11	9-9-18
10	10-20-10	10	10-20-20	5	20-10-10	5	20-20-20	10	10-10-20

*For all practical purposes a 10-6-4 fertilizer is the same as a 10-5-5 and one may be substituted for the other.

Weights of lime and fertilizer materials can be converted to ordinary household measures using the following table. The values are not precise but are near enough for all practical purposes. One gallon is equivalent to 4 quarts, or 8 pints. One pint is equivalent to 2 cups, or 32 tablespoons, or 96 teaspoons.

Kind of Material	Approximate Weight Per Volume Measure				
	10 qt. bucket	gallon	quart	pint	cup
	lbs.	lbs.	lbs.	lbs.	lbs.
Ground limestone	30	12	3	1½	¾
Hydrated lime	10	4	1	½	¼
Inorganic mixed fertilizers (1)	20	8	2	1	½
Organic mixed fertilizers (2)	15	6	1½	¾	3/8

(1) Made completely from inorganic materials. (2) Containing some natural or synthetic organic materials.

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MIDDLESEX COUNTY EXTENSION SERVICE
COUNTY ADMINISTRATION BUILDING
NEW BRUNSWICK, NJ 08901

TEL: 745-3442

Below is a list of specifications for satisfactory topsoil surface soil or soil material prepared in the Soils Department of Rutgers University. These specifications apply only to soil material which is to be transported to a new location, and used as is, and not to be mixed with the existing soil in place. This usually means applying the transported soil to a depth of 8 to 12 inches. These specifications do not apply to soil materials which are to be subsequently mixed with the existing surface soil in place.

SPECIFICATIONS FOR SATISFACTORY TOPSOIL, SURFACE SOIL OR SOIL MATERIAL TO BE TRANSPORTED TO A NEW LOCATION AND USED FOR PLANTING PURPOSES.

Physical Limits, Per Cent by Weight

<u>Quantity</u>	<u>Size Fraction</u>	<u>Diameter</u>
None	Gravel	Larger than one inch
Less than 3%	Gravel	1/4 to 1 inch
Less than 10%	Gravel	2 mm. to 1/4 inch
40-60%	Sand	.05mm. to 2 mm.
25-50%	Silt	.002 mm. to .05 mm.
Less than 20%	Clay	Less than .002 mm.

CHEMICAL LIMITS

Organic matter (wet digestion method) 2.5-10%
Soil reaction (ph) 4.5-7.0
Salt concentration (1-2 soil water ratio) less than 50.

T & M ASSOCIATES
Consulting & Municipal Engineers
1060 Highway 35, Middletown Township
P. O. Box 828
RED BANK, NEW JERSEY 07701

File
LETTER OF TRANSMITTAL
New Market Pond

DATE	April 26, 1982	JOB NO.	MISC-XPCF.02611
ATTENTION	William A. Moody, III		
RE	Toxic Test Results - New Market Pond		

TO William A. Moody, III
Environmental Officer
Twp. of Piscataway
Municipal Complex
Piscataway, NJ 08854

GENTLEMEN:

WE ARE SENDING YOU ☒ Attached ☐ Under separate cover via _____ the following items:

- | | | | | |
|---|---------------------------------------|--|----------------------------------|---|
| <input type="checkbox"/> Shop drawings | <input type="checkbox"/> Prints | <input type="checkbox"/> Plans | <input type="checkbox"/> Samples | <input type="checkbox"/> Specifications |
| <input type="checkbox"/> Copy of letter | <input type="checkbox"/> Change order | <input checked="" type="checkbox"/> Test Results | | |

COPIES	DATE	NO.	DESCRIPTION
1	APR 26 1982		Accutest - Test Results

THESE ARE TRANSMITTED as checked below:

- | | | |
|--|---|---|
| <input type="checkbox"/> For approval | <input type="checkbox"/> Approved as submitted | <input type="checkbox"/> Resubmit _____ copies for approval |
| <input checked="" type="checkbox"/> For your use | <input type="checkbox"/> Approved as noted | <input type="checkbox"/> Submit _____ copies for distribution |
| <input checked="" type="checkbox"/> As requested | <input type="checkbox"/> Returned for corrections | <input type="checkbox"/> Return _____ corrected prints |
| <input type="checkbox"/> For review and comment | | |
| <input type="checkbox"/> FOR BIDS DUE _____ 19 _____ | <input type="checkbox"/> PRINTS RETURNED AFTER LOAN TO US | |

REMARKS _____

COPY TO

Henry A. Zanetti, P.E./W/Encl.

? LBSA



ACCUTEST®

DIVISION OF PATERSON CLINICAL LABORATORIES
205 LIVINGSTON AVENUE • NEW BRUNSWICK, N.J. 08901 • (201) 249-0022

Environmental Sciences
Industrial Hygiene
Toxic Waste
Toxicology

TO: T & M Associates
P. O. Box 828
Red Bank, New Jersey 07701

ATTN: Mr. Richard Kosenski

DATE: 4-20-82

JOB No.: 82-0197

P. O. No.:

SAMPLE No.:

SAMPLED RECEIVED: 3-30-82

ANALYSIS REPORT

Sample No.	Date Collected	Time Collected	Collected By	Point of Collection
1	3-30-82			Putnam Avenue (Sediment)
2	3-30-82			Pump Station (Sediment)

Priority Pollutants

Metals

SAMPLE #1 (mg/kg)

SAMPLE #2 (mg/kg)

Ag	20	4.0
As	<1.0	<1.0
Be	<1.0	<1.0
Cd	17	11
Cr	34	<1.0
Cu	31	3.0
Hg	<0.1	<0.1
Pb	20	40
Ni	<1.0	<1.0
Se	<1.0	<1.0
Tl	<1.0	<1.0
Zn	348	114

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DIVISION OF PATERSON CLINICAL LABORATORIES
205 LIVINGSTON AVENUE • NEW BRUNSWICK, N.J. 08901 • (201) 249-0022

Environmental Sciences
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TO: T & M Associates
P. O. Box 828
Red Bank, New Jersey 07701
ATTN: Mr. Richard Kosenski

DATE: 4-20-82
JOB No.: 82-0197
P. O. No.:
SAMPLE No.:
SAMPLED RECEIVED: 3-30-82

ANALYSIS REPORT

Sample No.	Date Collected	Time Collected	Collected By	Point of Collection
3	3-30-82			Composite Sediment (Putnam Avenue, Pump Station)

Extraction Procedure (EP) Toxicity

Inorganic

	CONC. (mg/l)	MCL (mg/l)
Arsenic	0.011	5.0
Barium	0.032	100.0
Cadmium	0.017	1.0
Chromium	<0.001	5.0
Lead	<0.001	5.0
Mercury	<0.0001	0.2
Selenium	0.014	1.0
Silver	0.007	5.0

Organic

Endrin	<0.0001	0.02
Lindane	<0.0001	0.40
Methoxychlor	<0.0001	10.0
Toxaphene	<0.0001	0.50
2,4 - D	<0.0001	10.0
2,4,5 - TP Silvex	<0.0001	1.0

Richard Kosenski

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DIVISION OF PATERSON CLINICAL LABORATORIES
205 LIVINGSTON AVENUE • NEW BRUNSWICK, N.J. 08901 • (201) 249-0022

Environmental Sciences
Industrial Hygiene
Toxic Waste
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TO: T & M Associates
P. O. Box 828
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ATTN: Mr. Richard Kosenski

DATE: 4-20-82
JOB No.: 82-0197
P. O. No.:
SAMPLE No.:
SAMPLED RECEIVED: 3-30-82

ANALYSIS REPORT

Sample No.	Date Collected	Time Collected	Collected By	Point of Collection
1	3-30-82			Putnam Avenue (Sediment)
2	3-30-82			Pump Station (Sediment)

Priority Pollutants (Organic Fractions)

Volatile Organic Scan - Volatile organics are less than 1.0 ug/kg.
(See attached list)

Pesticide - PCB Scan - Pesticides - PCB's are less than 1.0 ug/kg.
(See attached list)

Base Neutral Scan - Base neutrals are less than 1.0 ug/kg.
(See attached list)

Acid Extractable (Phenols) Scan - Acid extractables are less than 1.0 ug/kg.
(See attached list)



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DIVISION OF PATERSON CLINICAL LABORATORIES

205 LIVINGSTON AVENUE • NEW BRUNSWICK, N.J. 08901 • (201) 249-0022

BASE/NEUTRAL EXTRACTABLES

EPA # PRIORITY POLLUTANT

1 B Acenaphthene
5 B Benzidine
8 B 1,2,4 - Trichlorobenzene
9 B Hexachlorobenzene
12 B Hexachloroethane
18 B bis (2-Chloroethyl) ether
19 B Chloroethyl vinyl ether
20 B 2-Chloronaphthalene
25 B 1,2 - Dichlorobenzene
26 B 1,3 - Dichlorobenzene
27 B 1,4 - Dichlorobenzene
28 B 3,3 - Dichlorobenzidine
35 B 2,4 - Dinitrotoluene
36 B 2,6 - Dinitrotoluene
39 B Fluoranthene
40 B 4 - Chlorophenyl phenyl ether
41 B Bromophenyl phenyl ether
43 B bis (2-Chloroethoxy) methane
52 B Hexachlorobutadiene
53 B Hexachlorocyclopentadiene
54 B Isophorone
55 B Naphthalene
56 B Nitrobenzene
61 B n-Nitrosodimethylamine
62 B n-Nitrosodiphenylamine
63 B n-Nitroso-di-n-propylamine
66 B bis (2-Ethyl hexyl) phthalate
67 B Butylbenzyl phthalate
68 B Di-n-butyl phthalate
69 B Di-n-octyl phthalate
70 B Diethyl phthalate
71 B Dimethyl phthalate
72 B Benzo (a) anthracene

EPA # PRIORITY POLLUTANT

73 B Benzo (a) pyrene
74 B Benzo (b) fluoranthene
75 B Benzo (k) fluoranthene
76 B Chrysene
77 B Acenaphthylene
78 B Anthracene
79 B Benzo (ghi) perylene
80 B Fluorene
81 B Phenanthrene
82 B Dibenzo (a,h) anthracene
83 B Indeno (1,2,3-cd) pyrene
84 B Pyrene
bis (2-Chloroisopropyl) ether
1,2 - Diphenylhydrazine
bis (Chloromethyl) ether

ACID-EXTRACTABLES (PHENOLS)

21 A 2,4,6 - Trichlorophenol
22 A 4 - Chloro-3 methylphenol
24 A 2 - Chlorophenol
31 A 2,4 - Dichlorophenol
34 A 2,4 - Dimethylphenol
57 A 2 - Nitrophenol
58 A 4 - Nitrophenol
59 A 2,4 - Dinitrophenol
60 A 2 - Methyl - 4,6 - dinitrophenol
64 A Pentachlorophenol
65 A Phenol



DIVISION OF PATERSON CLINICAL LABORATORIES

205 LIVINGSTON AVENUE • NEW BRUNSWICK, N.J. 08901 • (201) 249-0022

VOLATILE ORGANIC SCAN

<u>EPA #</u>	<u>PRIORITY POLLUTANT</u>
4 V	Benzene
47 V	Bromoform
48 V	Bromodichloromethane
46 V	Bromomethane
6 V	Carbon Tetrachloride
7 V	Chlorobenzene
16 V	Chloroethane
23 V	Chloroform
45 V	Chloromethane
51 V	Dibromochloromethane
50 V	Dichlorodifluoromethane
13 V	1,1 - Dichloroethane
10 V	1,2 - Dichloroethane
29 V	1,1 - Dichloroethylene
30 V	Trans - 1,2 - Dichloroethylene
33 V	Trans & Cis - 1,3 - Dichloropropane
32 V	1,2 - Dichloropropane
38 V	Ethylbenzene
44 V	Methylene Chloride
15 V	1,1,2,2 - Tetrachloroethane
85 V	Tetrachloroethylene
86 V	Toluene
11 V	1,1,1 - Trichloroethane
14 V	1,1,2 - Trichloroethane
87 V	Trichloroethylene
49 V	Trichlorofluoromethane
88 V	Vinyl Chloride
2 V	Acrolein
3 V	Acrylonitrile



ACCUTEST

DIVISION OF PATERSON CLINICAL LABORATORIES
205 LIVINGSTON AVENUE • NEW BRUNSWICK, N.J. 08901 • (201) 249-0022

PESTICIDE SCAN

<u>EPA #</u>	<u>PRIORITY POLLUTANT</u>
89 P	Aldrin
90 P	Dieldrin
91 P	Chlordane
92 P	P,P - DDT
93 P	P,P - DDE
94 P	P,P - DDD
95 P	Endosulfan I
96 P	Endosulfan II
97 P	Endosulfan Sulfate
98 P	Endrin
99 P	Endrin Aldehyde
100 P	Heptachlor
101 P	Heptachlor Epoxide
102 P	Alpha - BHC
103 P	Beta - BHC
104 P	Delta - BHC
105 P	Gamma - BHC
113 P	Toxaphene
	PCB's

PESTICIDE/HERBICIDE SCAN

(Primary Drinking Water Regulation)

Endrin	2,4 - D
Lindane	2,4,5 - D (Silvex)
Methoxychlor	
Toxaphene	

File New Market Pond
DESILTATION



PRINCIPALS OF THE FIRM ARE MEMBERS OF:

National Society of Professional Engineers
American Society of Civil Engineers
New Jersey Society of Municipal Engineers
Institute of Transportation Engineers
American Public Works Association
American Planning Association
American Congress on Surveying and Mapping
American Society for Testing and Materials
New Jersey Association of County Engineers
Urban Land Institute
National Recreation & Parks Association

1982 AUG 27 PM 12:51

August 26, 1982

Refer To Our File:

MISC-XPCT.02611

Borough of South Plainfield
2480 Plainfield Avenue
South Plainfield, New Jersey 07080

Re: Columbus Park, Phase IV Development
Piscataway, NJ

Dear Council Members:

The Township of Piscataway is currently pursuing Green Acres funding for park development in the vicinity of and including New Market Pond in the Township of Piscataway. The project includes development of recreational facilities and desiltation of New Market Pond and Bound Brook. Desiltation of New Market Pond will involve removal of approximately 70,000 CY of sediment material from the lake. The Township of Piscataway plans to allow the material to dry for a period of time and then seek a site to permanently utilize the material.

In preliminary discussions held with the Borough Administrator, Mr. William DeSabato and Mr. Julius Celentano of the Township, they stated there are two sites in South Plainfield that the Township is interested in filling and stated the Borough would be interested in obtaining the material from New Market Pond project. Material from the pond has been tested and found to be a fine graded silt/sand material. The material was tested for toxic pollutants and all test results were negative. Test results are enclosed.

Please review the enclosed analyses and indicate if South Plainfield is interested in obtaining this fill material for use in the community.



Sheet 2 of 2

August 26, 1982

MISC-XPCT.02611

Le: Borough of South Plainfield
Re: Columbus Park, Phase IV Development
Piscataway, NJ

If you have any questions, or desire additional information
on this matter, please feel free to call.

Very truly yours,

T & M ASSOCIATES

A handwritten signature in dark ink, appearing to read 'Richard A. Kosenki', written over a horizontal line.

RICHARD A. KOSENSKI, P.E.
PROJECT MANAGER

RAK:pfg

Enclosures as Noted

cc: Henry A. Zanetti, P.E., Piscataway Twp. Engineer



BOROUGH of SOUTH PLAINFIELD

MIDDLESEX COUNTY • NEW JERSEY

September 28, 1982

Mr. Richard A. Kosenski, P.E.
T & M Associates
P.O. Box 928
Red Bank, N.J. 07701

Re: Columbus Park, Phase IV Development,
Piscataway, N.J.
Your File MISC-XPCT.02611

Dear Mr. Kosenski:

Your letter dated August 26, 1982 concerning the above captioned project and the removal of approximately 70,000 C.Y. of sediment material from the lake has been discussed by the Borough Council.

The Borough of South Plainfield is interested in accepting the fill and ask that a meeting with yourself, Mr. Henry A. Zanetti and representatives of the Borough be arranged at some mutually satisfactory date and time to discuss details.

Very truly yours,

A handwritten signature in cursive script, appearing to read 'William T. DeSabato', is written over the 'Very truly yours,' line.

William T. DeSabato
Borough Clerk

cc: Mr. Zanetti, Piscataway Engineer ✓
Dennis Little, Councilman
File

ATTENDANCE AT
COLUMBUS PARK IMPROVEMENT SEC. 4
NEW MARKET POND DESILTATION
PRECONSTRUCTION MEETING
OCTOBER 9, 1984

NAME

Henry A. Zanetti	Director of Public Works & Engineering, Piscataway, N.J.	981-0800
Rich Kosenski	T & M Associates	671-6400
Sam Blautato	Elizabethtown Water Co.	756-0117
Bill Haines <i>Sup. for Sub</i>	Fraley Associates-Sea Bright	727-0028 381-0492
Joseph T. Walsh <i>(Bill's Boss)</i>	Fraley Associates	747-0028 W 530-2013 H
Robert Berg	American Dredging Company	(24 hour #) 609-963-0900
Ron DeCamp <i>Sup. for Ger.</i>	American Dredging Company	609-963-0900 W 609-927-0727 H
Don Roeder <i>(Ron's Boss)</i>	American Dredging Company	609-963-0963 W
Joseph S. Donato	Middlesex Co. Engineer's Office	745-3283
Dom Macciachera	Elizabethtown Water Co.	756-0117
James Ondre	Engineering Department Ass't. Piscataway, N.J.	981-0800 Ext. 451

Trailer Telephone # 752-0019 @

Lakeview Av. Site.

Ground Breaking Oct. 29 @ 9:00 A.M.



STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION



NOTICE OF AUTHORIZATION

PERMIT NO.

11438

ISSUANCE DATE

OCT 22 1984

EFFECTIVE DATE

9 NOV 1984

EXPIRATION DATE

9 NOV 1986

ISSUED TO

Township of Piscataway
455 Hoes Lane
Piscataway, New Jersey 08854

FOR ACTIVITY/FACILITY AT

OWNER

ISSUING DIVISION

Water Resources

TYPE OF PERMIT

Stream Encroachment

STATUTE(S)

NJSA 58:16A-50
et. seq.

APPLICATION NO.

A PERMIT TO conduct dredging of New Market Pond, excavation and minor cleaning of Bound Brook, placement of fill, construction of various drainage improvements and three floating docks, within a reach of Bound Brook beginning sixty feet upstream of New Market Pond dam, and continuing 6,300 further upstream, in the Township of Piscataway, Middlesex County, New Jersey.

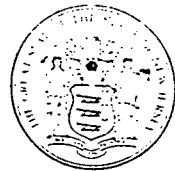
DEP-008
2/84

THIS NOTICE MUST BE CONSPICUOUSLY DISPLAYED AT THE ACTIVITY/FACILITY SITE.

John H. O'Dowd
DEP AUTHORIZATION
John H. O'Dowd, P.E., Bureau Chief



DEPARTMENT OF ENVIRONMENTAL PROTECTION
CN 402
Trenton, N.J. 08625



PERMIT

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachment accompanying same application, and applicable laws and regulations. This permit is also subject to the further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit.

Permit No. 11438	Issuance Date OCT. 22, 1984	Effective Date NOV. 9, 1984	Expiration Date NOV. 9, 1986
Name and Address of Applicant Township of Piscataway 455 Hoes Lane Piscataway, New Jersey 08854	Location of Activity/Facility		Name and Address of Owner
Issuing Division Water Resources	Type of Permit Stream Encroachment	Statute(s) NJSA 58:16A-50 et. seq.	Application No.

This permit grants permission to:

conduct dredging of New Market Pond, excavation and minor cleaning of Bound Brook, placement of fill, construction of various drainage improvements and three floating docks, within a reach of Bound Brook beginning sixty feet upstream of New Market Pond dam, and continuing 6,300 further upstream, in the Township of Piscataway, Middlesex County, New Jersey.

PROJECT IS SHOWN ON APPROVED DRAWINGS LISTED ON PAGE 4 OF THIS PERMIT.

Prepared by:

Mark Mayer
Mark Mayer

Approved by the Department of Environmental Protection

John H. O'Dowd
John H. O'Dowd, P.E., Bureau Chief
Bureau of Flood Plain Management

10-19-84
DATE

* The word permit means "approval, certification, registration, etc."

(GENERAL CONDITIONS ARE ON THE REVERSE SIDE.)

I, James Ondre, hereby certify that I
have been authorized by Township of Piscataway, 455 Hoes Lane,
Piscataway, New Jersey, to accept Stream Encroachment Permit No. 11438
issued in accordance with NjSA 58:16A-50 et. seq., and I hereby
acknowledge receipt thereof.

James Ondre
SIGNATURE
10/22/84
DATE

TERMS AND CONDITIONS

1. Recording of Permit

This permit shall be RECORDED in the office of the COUNTY CLERK (the REGISTRAR OF DEEDS AND MORTGAGES in the applicable counties) in the county wherein the lands included in the permit are located within ten (10) days after receipt of the permit by the applicant and verified notice shall be forwarded to the Division of Water Resources immediately thereafter.

2. Department Responsibility

The action of the Department in approving this application and issuing this permit shall not relieve the party constructing the works hereby approved from the responsibility for damage caused by such works; nor does the Department accept responsibility for the structural design.

3. Time Limit for Work

- a. General - The work shall be COMPLETED WITHIN TWO YEARS of the ISSUANCE DATE of this permit; OTHERWISE, this permit, if not previously revoked or specifically extended upon written application, shall automatically become null and void, and none of the works herein shall be commenced or continued until such time as this permit has been reinstated or until a new application has been submitted to and approved by the Department.
- b. Pipelines, Cables and Similar Work - The time limit for backfilling and/or stabilizing all earth work and the removal of all temporary fill and other construction, in connection with pipelines, cables and other similar projects shall be 30 days after starting excavation or construction for each individual stream crossing and/or section of the project along any stream channel.

4. Supervision and Inspection, Change in Plans, Completion Report

- a. Supervision and Inspection - All work shall be done under the supervision and direction of a professional engineer licensed in New Jersey. The work shall be subject to inspection at any time by representatives of the Department. PERMIT and all approved DRAWINGS shall be at project site at all times during construction.
- b. Change in Plans - No changes in plans and specifications as approved shall be made except with the written consent of the Department or its designee.
- c. Completion Report - A completion report on a prescribed form shall be prepared by a professional engineer licensed in New Jersey and submitted to the Division of Water Resources within 30 days after completion of the work.

5. Maintenance of Land Within Stream Encroachment Permit

The applicant and its agents shall not cause or permit any unreasonable interference with the free discharge of the stream nor with navigation during construction, by the placing and/or dumping of any materials, equipment, debris or structure, or in any way, in or about the stream or channel in any manner which may cause interference. Upon completion or abandonment of the work, the applicant and its agents shall cause to be removed from lands within the flood plain, all excess materials, equipment, debris and structures, and dispose of same in a lawful manner.

6. Erosion Control

ALL FILL and OTHER EARTH WORK on the lands encompassed within this stream encroachment permit shall be STABILIZED in accordance with "Standards for Soil Erosion and Sediment Control in New Jersey" (obtainable from local Soil Conservation District Offices), or equal engineering specifications, so as to prevent eroded soil therefrom from entering the waterway at any time during and after construction.

TERMS AND CONDITIONS (Continued)

7. Channel and Bank Stabilization

Where the stream channel and/or banks are altered in the course of the work approved herein, the channel and/or banks shall be stabilized in such a manner as to prevent erosion and the subsequent silting of the channel. The applicant hereby agrees to maintain the channel and/or banks as shown on the approved drawing(s) for either such time as is required for the channel and/or banks to become reasonably stabilized or for one year after completion of the project (as evidenced by Certificate of Completion), whichever period of time is longer.

8. Requirements for Other Permits

This permit DOES NOT GIVE ANY PROPERTY RIGHTS, in either real or personal property, nor any exclusive privileges; neither does it authorize any injury to private property; nor invasion of private rights; nor any infringement of Federal, State or local laws or regulations; nor does it waive the obtaining of Federal or other State or local government consent when necessary. THIS PERMIT IS NOT VALID AND NO WORK SHALL BE UNDERTAKEN UNTIL SUCH TIME AS ALL OTHER REQUIRED APPROVALS AND PERMITS HAVE BEEN OBTAINED INCLUDING BUT NOT LIMITED TO PERMITS AND APPROVALS FROM THE FOLLOWING:

9. Reservation of Lands within Stream Encroachment Lines

A strip of land along the waterway and described as follows shall be reserved for the passage of flood waters and no fill or structure, except as shown on the approved drawing(s) shall be placed within the land without prior approval of the Department.

10. Future Modification Required

- a. All Projects - At any time, if and when indicated in the public interest and after due process, this permit may be reviewed for possible modification thereof.
- b. Pipes and Cables - Any pipeline or cable approved under this permit shall be removed or modified as required by future channel improvements or for other valid reasons upon order of the Department.

11. The issuance of this permit is conditioned upon the applicants obtaining the necessary legal consents from the adjoining property owners.

12. Any construction or grading at this project site other than that shown on the drawings approved by this permit, will require a stream encroachment approval from the Bureau of Flood Plain Management.

13. This stream encroachment permit is granted since the project meets the Department's requirements pursuant to the Flood Hazard Area Control Act (N.J.S.A. 58:16A-50 et. seq.). However, the issuance of this permit does not necessarily imply that the project (as approved) provides complete protection of the environment including the preservation and protection of the State's wetland resources. The Department, therefore, reserves the right to take a position against the issuance of a Federal 404 permit (if required) provided the preservation or maintenance of the wetlands involved is deemed desirable.

4. Final grading of the impoundment basin shall be done to provide adequate drainage of stormwater runoff.

15. The drawings hereby approved are seventeen sheets prepared by T & M Associates, dated May 22, 1984, entitled:

"COLUMBUS PARK PHASE IV NEW MARKET POND"

"PLAN VIEW", last revised September 13, 1984,
"(STA 10+00 TO STA 37+00)", sheet 2 of 23,
"(STA 37+00 TO STA 38+50)
(STA 10.000 TO STA 13.675)", sheet 3 of 23,

"PROFILE VIEW (STA. 10+00 TO STA. 12.200)", unrevised, sheet 4 of 23,

"CROSS SECTIONS", unrevised,
"(STA. 10+00 TO STA. 18+00)", sheet 5 of 23,
"(STA. 19+00 TO STA. 27+00)", sheet 6 of 23,
"(STA. 28+00 TO STA. 37+00)", sheet 7 of 23,

"BOUND BROOK CROSS SECTIONS", unrevised,
"(STA. 38+50/10.000 TO STA. 10.655)", sheet 8 of 23,
"(STA. 10.765 TO STA. 11.140)", sheet 9 of 23,
"(STA. 11.188 TO STA. 12.240)", sheet 10 of 23,

"TYPICAL IMPOUNDMENT BASIN DETAILS", last revised September 13, 1984,
sheet 13 of 23,

"SLOPE PROTECTION PLAN AND CROSS SECTIONS", last revised September 13, 1984,
sheet 14 of 23,

"DRAINAGE IMPROVEMENT", last revised September 13, 1984,
sheet 15 of 23,

"CONSTRUCTION PLAN",
"PARKING LOT 'B'", last revised October 1, 1984, sheet 16 of 23,
"PARKING LOT 'A'", last revised September 13, 1984, sheet 17 of 23,

"BOAT RAMP & WASHINGTON AVE. BRIDGE ELEVATIONS", last revised September 13, 1984,
sheet 18 of 23,

"CONSTRUCTION DETAILS", unrevised, sheet 22 of 23, and,

"COLUMBUS PARK PHASE IV FLOATING BOAT DOCKS PLAN & ELEVATION SHEET FD-1",
last revised September 13, 1984, sheet 19 of 23.

Henry Corp or Inc
Permit not required

Jim O'Donoghue E.F.D.

TOWNSHIP OF PISCATAWAY
RECEIVED

T & M

1985 JAN 28 PM 3:34 ASSOCIATES

PUBLIC WORKS
ENGINEERING DIVISION

Refer to Our File

MISC-XPCT.03181-CON

January 23, 1985

Department of the Army
New York District, Corps of Engineers
26 Federal Plaza
New York, New York 10278-0090

Attention: Joseph J. Seebode, Chief of Permits

Re: New Market Pond - Piscataway, NJ

Gentlemen:

This is to confirm a recent telephone conversation between yourself and Gordon Milnes of our staff, regarding a January 10, 1985 request for additional information to determine if a Department of the Army Permit is required for this project.

It has been concluded that a Department of the Army Permit is not required for this project, which consists of pond dredging, construction of minor drainage improvements at New Market Pond, and construction of recreational improvements at Columbus Park.

Also, included for your information is correspondence dated February 10, 1982, regarding waiver of the Department of Army Permit requirement for this project.

If you have any questions regarding this matter or require additional information, please do not hesitate to contact me.

Very truly yours,

T & M ASSOCIATES


RICHARD A. KOSENSKI, P.E.
PROJECT MANAGER

RAK:JGM:vs

Enclosure as Noted

→ cc: Henry A. Zanetti, Piscataway Township Engineer

CORRESPONDENCE



DEPARTMENT OF THE ARMY
NEW YORK DISTRICT, CORPS OF ENGINEERS
26 FEDERAL PLAZA
NEW YORK, N. Y. 10278

REPLY TO
ATTENTION OF:

NANOP-E
Application No. 82-049

10 February 1982

Township of Piscataway
c/o Richard A. Kosenski, P.E.
T & M Associates
1060 Highway 35
Middletown Township
Piscataway, NJ 07701

Dear Mr. Kosenski:

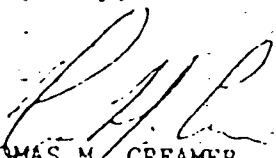
Reference is made to your letter dated 21 January 1982 requesting a determination as to the need for a Department of the Army permit to dredge in New Market Pond (Raritan River Basin) at Piscataway, Middlesex County, New Jersey.

Since the waterway in question is considered non-navigable for purposes of Section 10 of the River and Harbor Act and the work does not include the placement of any dredged or fill material in any water of the United States, coastal or inland wetland, a Department of the Army permit, in accordance with 33 CFR 320-329 (as published in the Federal Register on Tuesday, 19 July 1977) will not be required.

Care should be taken so that construction materials, including debris, do not enter the waterway and become a source of drift.

Appropriate State and local authorities should be contacted to determine the extent of their jurisdiction in this matter.

Sincerely,


THOMAS M. CREAMER
Acting Chief,
Construction Permits Section

MINUTES OF JOB MEETING OF MAY 16, 1985

NEW MARKET POND RESTORATION

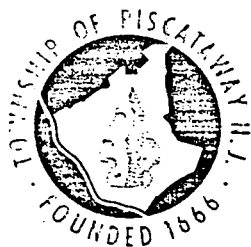
1. Township is dissatisfied with progress of the work in regard to the cleanup of pond edge, landscaping, dock erection, and pavement completion.
2. Township needs answers to proposed change orders.
3. American Dredging submitted today final quantity for dredging. (61,483 C.Y.)
4. American Dredging indicates additional 40 trees will be planted in area to east of Washington Avenue bridge on north shoreline.
5. Township must decide on areas that need additional topsoil under bid item for topsoil, beyond soil on site.
6. Township is to reinstall guardrail along new sidewalk.
7. American Dredging and the Township will meet on Tuesday, May 21, 1985, at 2:30 P.M. at Public Works Center.

*What type & how many trees are to be planted along
Water Co. building*

Cracks in depressed curb at the parking lot entrances.

Copies to:

Henry A. Zanetti, Township Engineer
James Ondre, Piscataway Engineering Division
Ron DeCamp, American Dredging Company
Lee Stroby, Fraley Associates



TOWNSHIP OF
PISCATAWAY
MIDDLESEX COUNTY
PISCATAWAY, NEW JERSEY 08854
201-981-0800

DEPARTMENT OF
PUBLIC WORKS
OFFICE OF THE TOWNSHIP
ENGINEER

August 12, 1987

Cedar Hill Topsoil Hydroseeding
225 Cedar Grove Lane
Somerset, New Jersey 08873

Attention: Mr. John Janho, Jr.

RE: DREDGED SPOIL MATERIAL - NEW MARKET POND

Dear Mr. Janho,

Enclosed for your information are copies of correspondences with the Army Corps of Engineers, NJDEP, Accutest, and Middlesex County Extension Service, related to the referenced matter. The copies are part of an environmental impact statement prepared for the New Market Pond Project (appendix C-3A thru D-12), in 1982.

The issue of testing the dredged spoil material for toxic pollutants and pesticides had been addressed at the time the project was being designed and reviewed for approval by various agencies.

Please advise me if this information satisfies your needs in regards to your potential use of the dredged material.

Sincerely,

Leslie Holzmann, P.E. & L.S.
Township Engineer

LH;bc

Enclosures

cc: Harold Klein, Township Administrator
Jim Ondre, Engineering Division



TOWNSHIP OF
PISCATAWAY
MIDDLESEX COUNTY
PISCATAWAY, NEW JERSEY 08854
201-981-0800

DEPARTMENT OF
COMMUNITY DEVELOPMENT
OFFICE OF THE
TOWNSHIP ENGINEER

December 22, 1988

Cedarhill Landscaping
R. D. #3 Box 440
Somerset, New Jersey 08873

Attention: Mr. John Janho

Dear Mr. Janho:

As per your request enclosed please find a copy of the
soil analyses for New Market Pond.

Sincerely,

Shirley Myers
Administrative Supervisor
for

Leslie Holzmman, P. E. & L. S.
Director of Community Development and
Township Engineer

sm
Encl.

New Market Pond

DATE	April 26, 1982	JOB NO.	MISC-XPCT.02611
ATTENTION	William A. Moody, III		
RE	Toxic Test Results - New Market Pond		

☐ Shop drawings ☐ Prints ☒ Plans ☐ Samples ☐ Specifications
☐ Copy of letter ☐ Change order ☒ **Test Results**

REMARKS

COPY TO Henry A. Zanetti, P.E./W/Encl.

SIGNED

? LB5A

CUTEST®

OF PATERSON CLINICAL LABORATORIES
GSTON AVENUE • NEW BRUNSWICK, N.J. 08901 • (201) 249-0022

Associates
Box 828
k, New Jersey 07701
Mr. Richard Kosenski

Environmental Sciences
Industrial Hygiene
Toxic Waste
Toxicology

DATE: 4-20-82

JOB No.: 82-0197

P. O. No.:

SAMPLE No.:

SAMPLED RECEIVED: 3-30-82

ANALYSIS REPORT

ed	Time Collected	Collected By	Point of Collection
-82			Putnam Avenue (Sediment)
-82			Pump Station (Sediment)

ity Pollutants

8

SAMPLE #1 (mg/kg)

20
<1.0
<1.0
17
34
31
<0.1
20
<1.0
<1.0
<1.0
348

SAMPLE #2 (mg/kg)

4.0
<1.0
<1.0
11
<1.0
3.0
<0.1
40
<1.0
<1.0
<1.0
114

✓ ✓

ACCUTEST®

DIVISION OF PATERSON CLINICAL LABORATORIES
205 LIVINGSTON AVENUE • NEW BRUNSWICK, N.J. 08901 • (201) 249-0022

Environmental Sciences
Industrial Hygiene
Toxic Waste
Toxicology

TO: T & M Associates
P. O. Box 828
Red Bank, New Jersey 07701
ATTN: Mr. Richard Kosenski

DATE: 4-20-82
JOB No.: 82-0197
P. O. No.:

SAMPLE No.:

SAMPLED RECEIVED: 3-30-82

ANALYSIS REPORT

Sample No.	Date Collected	Time Collected	Collected By	Point of Collection
3	3-30-82			Composite Sediment (Putnam Avenue, Pump Station)

Extraction Procedure (EP) Toxicity

Inorganic

	CONC. (mg/l)	MCL (mg/l)
Arsenic	0.011	5.0
Barium	0.032	100.0
Cadmium	0.017	1.0
Chromium	<0.001	5.0
Lead	<0.001	5.0
Mercury	<0.0001	0.2
Selenium	0.014	1.0
Silver	0.007	5.0

Organic

Endrin	<0.0001	0.02
Lindane	<0.0001	0.40
Methoxychlor	<0.0001	10.0
Toxaphene	<0.0001	0.50
2,4 - D	<0.0001	10.0
2,4,5 - TP Silvex	<0.0001	1.0

Vincent J. DiGirolamo
Vincent J. DiGirolamo

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ATERSON CLINICAL LABORATORIES
ON AVENUE • NEW BRUNSWICK, N.J. 08901 • (201) 249-0022

Environmental Sciences
Industrial Hygiene
Toxic Waste
Toxicology

ociates
828
New Jersey 07701
Richard Kosenski

DATE: 4-20-82
JOB No.: 82-0197
P. O. No.:
SAMPLE No.:
SAMPLED RECEIVED: 3-30-82

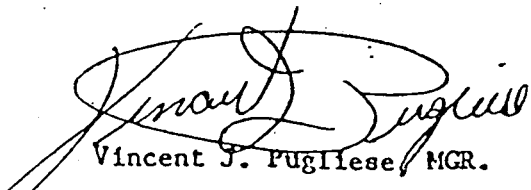
ANALYSIS REPORT

Time lected	Collected By	Point of Collection
		Putnam Avenue (Sediment)
		Pump Station (Sediment)

Pollutants (General Chemistries)

ide - NEGATIVE

NEGATIVE


Vincent J. Pugliese, MGR.

ACCUTEST®

DIVISION OF PATERSON CLINICAL LABORATORIES
205 LIVINGSTON AVENUE • NEW BRUNSWICK, N.J. 08901 • (201) 249-0022

Environmental Sciences
Industrial Hygiene
Toxic Waste
Toxicology

TO: T & M Associates
P. O. Box 828
Red Bank, New Jersey 07701
ATTN: Mr. Richard Kosenski

DATE: 4-20-82
JOB No.: 82-0197
P. O. No.:
SAMPLE No.:
SAMPLED RECEIVED: 3-30-82

ANALYSIS REPORT

Sample No.	Date Collected	Time Collected	Collected By	Point of Collection
1	3-30-82			Putnam Avenue (Sediment)
2	3-30-82			Pump Station (Sediment)

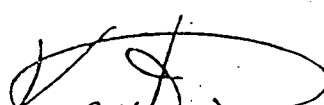
Priority Pollutants (Organic Fractions)

Volatile Organic Scan - Volatile organics are less than 1.0 ug/kg.
(See attached list)

Pesticide - PCB Scan - Pesticides - PCB's are less than 1.0 ug/kg.
(See attached list)

Base Neutral Scan - Base neutrals are less than 1.0 ug/kg.
(See attached list)

Acid Extractable (Phenols) Scan - Acid extractables are less than 1.0 ug/kg.
(See attached list)



**ACCUTEST®**

DIVISION OF PATERSON CLINICAL LABORATORIES

205 LIVINGSTON AVENUE • NEW BRUNSWICK, N.J. 08901 • (201) 249-0022

BASE/NEUTRAL EXTRACTABLESEPA # PRIORITY POLLUTANT

1 B	Acenaphthene
5 B	Benzidine
8 B	1,2,4 - Trichlorobenzene
9 B	Hexachlorobenzene
12 B	Hexachloroethane
18 B	bis (2-Chloroethyl) ether
19 B	Chloroethyl vinyl ether
20 B	2-Chloronaphthalene
25 B	1,2 - Dichlorobenzene
26 B	1,3 - Dichlorobenzene
27 B	1,4 - Dichlorobenzene
28 B	3,3 - Dichlorobenzidine
35 B	2,4 - Dinitrotoluene
36 B	2,6 - Dinitrotoluene
39 B	Fluoranthene
40 B	4 - Chlorophenyl phenyl ether
41 B	Bromophenyl phenyl ether
43 B	bis (2-Chloroethoxy) methane
52 B	Hexachlorobutadiene
53 B	Hexachlorocyclopentadiene
54 B	Isophorone
55 B	Naphthalene
56 B	Nitrobenzene
61 B	n-Nitrosodimethylamine
62 B	n-Nitrosodiphenylamine
63 B	n-Nitroso-di-n-propylamine
66 B	bis (2-Ethyl hexyl) phthalate
67 B	Butylbenzyl phthalate
68 B	Di-n-butyl phthalate
69 B	Di-n-octyl phthalate
70 B	Diethyl phthalate
71 B	Dimethyl phthalate
72 B	Benzo (a) anthracene

EPA # PRIORITY POLLUTANT

73 B	Benzo (a) pyrene
74 B	Benzo (b) fluoranthene
75 B	Benzo (k) fluoranthene
76 B	Chrysene
77 B	Acenaphthylene
78 B	Anthracene
79 B	Benzo (ghi) perylene
30 B	Fluorene
81 B	Phenanthrene
82 B	Dibenzo (a,h) anthracene
83 B	Indeno (1,2,3-cd) pyrene
84 B	Pyrene
	bis (2-Chloroisopropyl) ether
	1,2 - Diphenylhydrazine
	bis (Chloromethyl) ether

* * * * *

ACID-EXTRACTABLES (PHENOLS)

21 A	2,4,6 - Trichlorophenol
22 A	4 - Chloro-3 methylphenol
24 A	2 - Chlorophenol
31 A	2,4 - Dichlorophenol
34 A	2,4 - Dimethylphenol
57 A	2 - Nitrophenol
58 A	4 - Nitrophenol
59 A	2,4 - Dinitrophenol
60 A	2 - Methyl - 4,6 - dinitrophenol
64 A	Pentachlorophenol
65 A	Phenol



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205 LIVINGSTON AVENUE • NEW BRUNSWICK, N.J. 08901 • (201) 249-0022

VOLATILE ORGANIC SCAN

<u>EPA #</u>	<u>PRIORITY POLLUTANT</u>
4 V	Benzene
47 V	Bromoform
48 V	Bromodichloromethane
46 V	Bromomethane
6 V	Carbon Tetrachloride
7 V	Chlorobenzene
16 V	Chloroethane
23 V	Chloroform
45 V	Chloromethane
51 V	Dibromochloromethane
50 V	Dichlorodifluoromethane
13 V	1,1 - Dichloroethane
10 V	1,2 - Dichloroethane
29 V	1,1 - Dichloroethylene
30 V	Trans - 1,2 - Dichloroethylene
33 V	Trans & Cis - 1,3 - Dichloropropane
32 V	1,2 - Dichloropropane
38 V	Ethylbenzene
44 V	Methylene Chloride
15 V	1,1,2,2 - Tetrachloroethane
85 V	Tetrachloroethylene
86 V	Toluene
11 V	1,1,1 - Trichloroethane
14 V	1,1,2 - Trichloroethane
87 V	Trichloroethylene
49 V	Trichlorofluoromethane
88 V	Vinyl Chloride
2 V	Acrolein
3 V	Acrylonitrile



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PESTICIDE SCAN

<u>EPA #</u>	<u>PRIORITY POLLUTANT</u>
89 P	Aldrin
90 P	Dieldrin
91 P	Chlordane
92 P	P,P - DDT
93 P	P,P - DDE
94 P	P,P - DDD
95 P	Endosulfan I
96 P	Endosulfan II
97 P	Endosulfan Sulfate
98 P	Endrin
99 P	Endrin Aldehyde
100 P	Heptachlor
101 P	Heptachlor Epoxide
102 P	Alpha - BHC
103 P	Beta - BHC
104 P	Delta - BHC
105 P	Gamma - BHC
113 P	Toxaphene
	PCB's

PESTICIDE/HERBICIDE SCAN

(Primary Drinking Water Regulation)

Endrin	2,4 - D
Lindane	2,4,5 - D (Silvex)
Methoxychlor	
Toxaphene	

*file
Tw/Org Agreements*

MEMORANDUM
LESLIE HOLZMANN, P. E. & L.S.
DIRECTOR OF COMMUNITY DEVELOPMENT
TOWNSHIP ENGINEER

TO: Harold Klein, Township Administrator
FROM: Leslie Holzmann
DATE: January 9, 1989
SUBJECT: REMOVAL OF NEW MARKET POND DREDGED MATERIAL

Attached is a revised form of agreement provided by Cedar Hill Topsoil. The revisions are generally in accordance with our previous discussions. Recent additions include:

Par. 3: Last sentence added to clarify that seasonal nature of markets may influence progress.

Par. 13: Last sentence revised to thirty (30) days written notice to cancel agreement.

Par. 16: New Paragraph.

I have reviewed the revised agreement and find it acceptable, except that I do not understand the need for paragraph 16 in the language of the agreement.

Please review, along with Phil Paley as necessary, and advise me if the agreement is in order.

LSH

sm

cc: Phil Paley, Esq.
J. Janho, Cedar Hill

Attch.

CEDAR HILL TOPSOIL



Township of Piscataway
Contract for Topsoil Removal

225 CEDAR GROVE LANE
SOMERSET, NJ 08873
(201) 469-1400

Date: January 4, 1989

This is an agreement between The Township of Piscataway and Cedar Hill Topsoil (Contractor) located at 225 Cedar Grove Lane, Somerset, New Jersey 08873. The Township of Piscataway agrees to allow Contractor to remove dredged material of the New Market Pond in exchange for services as described below.

1. Quantity

The stockpile contains approximately 60,000 cubic yards of material.

2. Time of Performance

Contractor will have one year to complete removal of the excavated material. Two additional six month extensions may be requested by Contractor if necessary. This will be dependent upon the condition of the material, its marketability and acts of nature beyond the control of Contractor. The Township shall not unreasonably deny a request for a six month extension.

3. Progress Reports

Monthly progress reports shall be prepared by Contractor and submitted to the Township Engineer. Each monthly report shall estimate the amount of material removed for the period, the cumulative amount of material removed, and an estimate of removal of the material for the succeeding month. Monthly reports which do not indicate satisfactory progress, in the opinion of the Township Engineer, shall be referred to the Township Council, in accordance with Paragraph 13. The Township recognizes the seasonal character of the supply and removal of fill and topsoil and will allow for such non-productive periods.

4. Soil Test

The Township of Piscataway has had soil samples tested in April, 1982, and based on the result of that testing done by T & M Associates through Accutest, the excavated material is free of hazardous substances. This was substantiated with test results enclosed with letter from T & M Associates to the Borough of South Plainfield dated August 26, 1982.

5. Marketability

Contractor will work the stockpile, removing material from the storage site as Contractor is able to market the said material. Contractor will use its best efforts to sell or use all excavated material. In the event some of the excavated material proves unsuitable for sale or use by Contractor, Contractor shall have the right to leave unsuitable material on the storage site. Such material shall thereafter be owned by and be the responsibility of the Township of Piscataway.

6. Access

Contractor will have access to the pile Monday through Saturday, 7:00 a.m. to 5:00 p.m.

7. Maintenance

Contractor will keep the work area in good order, cleaning the access roads if they get dirty.

8. Soil Erosion Measures

The preparation of a soil erosion and sediment control plan acceptable to the Soil Conservation Service will be the initial responsibility of the Township of Piscataway. Contractor can provide this service to the Township at the current rates. Contractor will truck and spread stone needed for the wheel cleaning pad at no charge but the stone must be purchased by the Township of Piscataway. Once the soil erosion measures are put into place by the Township, Contractor will maintain them as long as they are working on site.

9. Grading

Contractor will grade the area using material from the berms. The grading will be done in a manner allowing for maximum removal of the excavated soil while maintaining surface drainage of the area. The final grades shall generally conform to the grades as shown on "Grading Plan at Impoundment Area, New Market Pond - Columbus Park", prepared by Leslie Holzmann, P.E. & L.S., Township Engineer, dated 3-31-88, revised to 4-14-88. Contractor will only use on-site soil in the grading process.

10. Hydroseeding

Once the area has been graded to a dozer finish, Contractor will yolk/power rake and then hydroseed the entire site in a one-step method incorporating seed, fertilizer, and wood fiber mulch.

11. Indemnification

Contractor agrees to make prompt and full payment of all proper charges for work, labor, services, materials and equipment incurred pursuant to this Agreement, and further agrees to indemnify, defend, and hold the Township and its officials, agents and employees harmless from such charges and from any and all other claims, demands, costs, expenses, judgements, damages and liabilities (including reasonable counsel fees) of every kind and nature whatsoever arising out of or related to the performance by Contractor of its obligations under this Agreement. Contractor shall not be responsible for normal wear and tear on municipal roads or other designated access routes to excavation or storage sites.

12. Insurance

Contractor shall furnish the Township Engineer within ten (10) days of the date of this Agreement a Certificate for such Workmen's Compensation and other employer liability insurance coverage as may be required by the United States of America and the State of New Jersey, and Certificates for the following Liability Insurance:

Public Liability	\$1,000,000.
Each Vehicle	\$500,000. Each Person \$500,000. Each Accident
Property Damage	\$500,000.

All such Certificates shall be issued by an insurer acceptable to the Township Attorney, and authorized to transact business in the State of New Jersey, and shall provide for at least ten (10) days prior written notice to the Township of any cancellation or reduction in amount or type of coverage.

13. Time of Performance

It is understood and agreed that time is of the essence in the performance of this Agreement, and that Contractor shall be responsible for the strict completion of all its

obligations under this Agreement not later than the completion date set forth in paragraph 2 hereof, unless delayed by causes beyond the reasonable control of the contractor, which such causes shall include, but not be limited to, labor disputes, shortages of materials or supplies, civil disturbance, war, and acts of God, in which event the completion date shall be extended by the amount of time unavoidably lost to such permitted delays. If progress of the work is unsatisfactory, the Township shall have the option to cancel this agreement without further liability by thirty (30) days written notice to contractor effective upon mailing to the address first set forth above.

14. Warranty

Contractor expressly warrants and represents that all work, labor, services, materials and equipment furnished pursuant to this Agreement shall, if in breach of this paragraph, upon written demand of the Township, repair or replace any such defective work, labor, services, materials or equipment within ninety (90) days of such demand to the reasonable satisfaction of the Township.

15. Compliance With Laws

Contractor expressly agrees to comply strictly with all Federal, State and Township laws, regulations and ordinances as may be applicable to its performance of this agreement whether respecting hours, wages, conditions of employment, safety, nondiscrimination, or otherwise.

16. This will not be a union or prevailing wage job.

17. General Conditions

This Agreement shall be deemed complete and comprehensive, shall supercede all other agreements, representations and understanding between the parties with respect to the subject matter hereof, whether oral or written, may be amended only in writing specifically designated as such an amendment duly executed by both parties hereto, and shall be governed by the Laws of New Jersey. The non-performance by any party of any obligation hereunder shall not be deemed a waiver by the other of its right to insist on strict performance of the same of any other obligation thereafter and all notices permitted hereunder shall be effective if sent by ordinary mail to the other party at the address first above given, unless a different address be sooner specified in writing and this Agreement may not be assigned or transferred by Contractor without the prior written consent of the Township.

18. In exchange for the right to remove and sell the excavated material, Contractor will supply the services as outlined above at no cost to the Township of Piscataway.

Agreed and Accepted:

By: _____

John E. Janho, IV
Vice President

Title

1-5-88
Date

Agreed and Accepted:

By: _____

Title

Date



TOWNSHIP OF
PISCATAWAY
MUNICIPAL COMPLEX
PISCATAWAY, NEW JERSEY 08854
291-562-2301

*File
New Market Pond*

OFFICE OF THE
BUSINESS
ADMINISTRATOR

February 27, 1989

Mr. Don Hansen
Supervisor of Public Works
Township of Edison
Municipal Building
Edison, NJ 08817

TOWNSHIP OF PISCATAWAY
RECEIVED
1989 FEB 28 PM 3:30
Public Works
ENGINEERING DIVISION

RE: REMOVAL OF DREDGED MATERIAL

Dear Don:

This is to confirm our conversation during which I advised you that the Township Council approved the removal of the dredged material presently being stored on the Harris Steel property by Edison Township. It is understood that after the material has been removed you will re-grade the property.

We appreciate your willingness to remove this material expeditiously.

Sincerely,

Harold

Harold M. Klein
Business Administrator

cc: Frank Sullivan
Les Holzmann

nc

2/28/89

file

MEMORANDUM
LESLIE HOLZMANN, P. E. & L. S.
DIRECTOR OF COMMUNITY DEVELOPMENT
TOWNSHIP ENGINEER
PISCATAWAY, NEW JERSEY 08854

TO: Engineering Inspectors
Code Enforcement Inspectors

FROM: Leslie Holzmamm

DATE: February 15, 1989

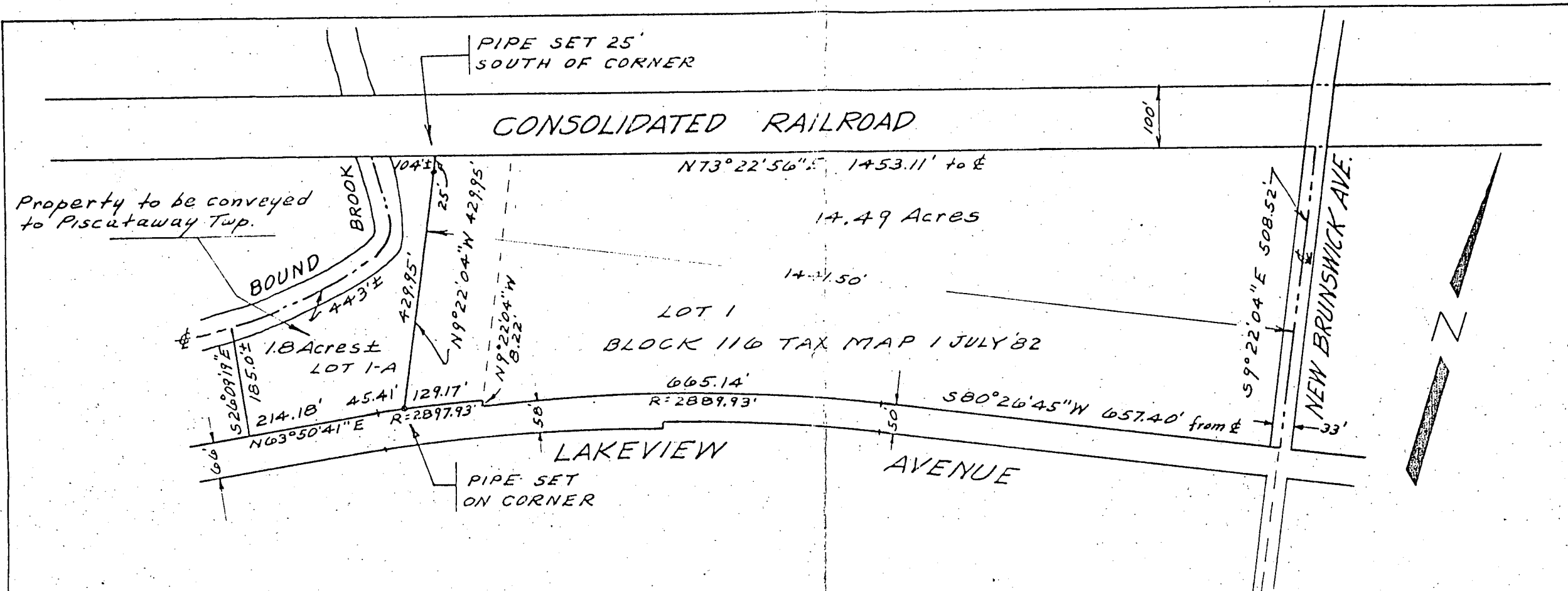
SUBJECT: NEW MARKET POND DREDGED MATERIAL

The Township has arranged for Edison Township to remove the dredged material from the Harris Steel property on Lakeview Avenue.

The purpose of this memo is to advise you that they will begin the soil removal on February 16, 1989.

has

sm
cc: Harold Klein
Frank Sullivan
John Donnelly
Robert O'Leary

[illegible]

TOWNSHIP OF PISCATAWAY
ENGINEERING DIVISION

PLAN SHOWING PROPERTY OF
HARRIS STRUCTURAL
STEEL COMPANY

SCALE: 1" = 200'

DATE: 26 APRIL 1983

DRAWN BY	J.P.H.
----------	--------

MAP NO.

CALC. BY	J. R. H.
----------	----------

M-907

CHECKED BY

HENRY A. ZANETTI
PROFESSIONAL ENGINEER &
LAND SURVEYOR NO. 7981

DATE: _____
DIRECTOR OF PUBLIC WORKS
TOWNSHIP ENGINEER